<u>**IN THE CLAIMS**</u>:

Please **CANCEL** claim 25 without prejudice or disclaimer.

Please **AMEND** claims 1-3, 6-11, 13-17, and 19-24 as follows.

1.   (Currently Amended) A method for determining ~~the~~ behavior patterns of users of a telecommunication system <u>based</u> on ~~the basis of~~ information collected from the <u>telecommunication</u> system, the method comprising:

defining at least one variable or a combination of variables of the telecommunication system;

filtering user-specific information corresponding to the defined at least one variable or ~~a~~ <u>the</u> combination of variables from the information collected from the telecommunication system; and

classifying the users of the telecommunication system <u>based</u> on ~~the basis of~~ the filtered user-specific information into various classes indicative of a user's ~~behaviour~~ <u>behavior</u> patterns during use of the telecommunication system.

2.   (Currently Amended) The method of claim 1, wherein said user-specific information is filtered from the <u>information collected in real time from the</u> telecommunication system ~~in real time~~.

3.   (Currently Amended) The method of claim 1, <u>further comprising:</u>

saving the filtered user-specific information ~~wherein after said filtering of information the filtered information is saved~~ for later analysis.

4. (Currently Amended) The method of claim 1, further comprising:

statistically analyzing the classified information ~~wherein~~ after the classification~~,~~ ~~statistical analysis is carried out on the classified information.~~

5. (Currently Amended) The method of claim 4, further comprising:

regulating ~~wherein~~ parameters essential for the quality of service of the telecommunication system ~~are regulated on the basis of~~ based on said statistical analysis.

6. (Currently Amended) The method of claim 4, further comprising:

drawing conclusions ~~wherein~~ based on ~~the basis of~~ said statistical analysis, wherein the conclusions are drawn about the ~~behaviour~~ behavior pattern of a certain group of users in ~~a~~ the telecommunication system.

7. (Currently Amended) The method of claim 1, wherein the classifying comprises classifying the users into the various classes indicative of a user's ~~classes of~~ ~~behaviour~~ behavior patterns ~~used in the classification of users are~~ defined in connection with the definition of variables.

Application No.: 10/018,502

8.   (Currently Amended) The method of claim 1, <u>further comprising:</u>

<u>changing</u> ~~wherein~~ the definitions of the classes of ~~behaviour~~<u>behavior</u> patterns used in the classification of users ~~are changed~~.

9.   (Currently Amended) The method of claim 8, <u>further comprising:</u>

<u>classifying</u> ~~wherein~~ said filtered <u>user-specific information</u> ~~unclassified information~~ ~~is classified~~ into ~~said~~ previously presented classes of ~~behaviour~~<u>behavior</u> patterns.

10.   (Currently Amended) The method of claim 1, wherein at least one of the variables is ~~the~~ <u>a</u> type of contact of the user.

11.   (Currently Amended) The method of claim 1, wherein at least one of the variables is ~~the~~ <u>a</u> type of system service.

12.   (Previously Presented) The method of claim 1, wherein said telecommunication system is a mobile communication system.

13.   (Currently Amended) A system for determining ~~the~~ users' patterns of ~~behaviour~~<u>behavior</u> in a telecommunication system, said system comprising:

<u>defining</u> means for defining at least one variable or a combination of variables of the telecommunication system~~;~~

Application No.: 10/018,502

filtering means for filtering ~~said~~ user-specific information corresponding to <u>the</u> at least one variable or ~~a~~ <u>the</u> combination of variables from the <u>user-specific</u> information received from the telecommunication system~~;~~ and

classifying means for classifying ~~the~~ users of the telecommunication system <u>based</u> on ~~the basis of~~ said filtered user-specific information into various classes indicative of a user's ~~behaviour~~<u>behavior</u> patterns during use of the telecommunication system.

14.   (Currently Amended) The system of claim 13, wherein the system is ~~designed~~ <u>configured</u> to process the information received <u>in real time</u> from the telecommunication system ~~in real time~~.

15.   (Currently Amended) The system of claim 13, wherein the system ~~has~~ <u>comprises a</u> <u>memorizing means</u> ~~memory~~ for saving said filtered user-specific information.

16.   (Currently Amended) The system of claim 13, wherein the system ~~has~~ <u>comprises</u> analysis means for statical<u>ly</u> ~~analysis of~~ <u>analyzing</u> the classification of the ~~behaviour~~ <u>behavior</u> patterns of users received from the classifying means and/or for defining previously presented classes of ~~behaviour~~ <u>behavior</u> patterns.

17.   (Currently Amended) The system of claim 13, wherein the system

~~has~~<u>further comprises</u> regulating means for regulating the values of parameters essential for the quality of service of the telecommunication system <u>based</u> on ~~the basis of~~ the information received from the analysis means.

18.   (Previously Presented) The system of claim 13, wherein said telecommunication system is a mobile communication system.

19.   (Currently Amended) A ~~telecommunication~~ system for determining ~~the~~ ~~behaviour~~<u>behavior</u> patterns of users of ~~the~~<u>a</u> telecommunication system <u>based</u> on ~~the basis~~ ~~of~~ information collected from the <u>telecommunication</u> system, <u>the system</u> comprising:

at least one base station;

at least one mobile services switching center ~~(MSC) for establishing~~ <u>configured to establish</u> a connection to a mobile station and ~~generating~~<u>further configured to generate</u> connection information;

at least one network management system ~~(NMS) for monitoring and managing~~ <u>configured to monitor and manage an</u> operation of the telecommunication system;

a customer register ~~for receiving~~<u>configured to receive</u> the connection information from the at least one <u>mobile services switching center</u>~~MSC~~;

a statistical unit ~~for receiving~~<u>configured to receive</u> statistical information from the at least one <u>network management system</u>~~NMS~~;

a filter configured to filter said user-specific information corresponding to at least

Application No.: 10/018,502

one variable or a combination of variables from the ~~user-specific~~ information received

from the telecommunication system, wherein said at least one variable or ~~a~~ the

combination of variables ~~being~~ are defined in the telecommunication system; and

a classifier configured to classify ~~the~~ users of the telecommunication system based

on ~~the basis of~~ said filtered user-specific information into various classes indicative of a

user's ~~behaviour~~behavior patterns during use of the telecommunication system.

20.   (Currently Amended) The ~~telecommunication~~ system of claim 19, wherein

the system is configured to process the information received in real time from the

telecommunication system ~~in real time~~.

21.   (Currently Amended) The ~~telecommunication~~ system of claim 19, further

comprising:

a memory ~~for saving~~configured to save said filtered user-specific information.

22.   (Currently Amended) The ~~telecommunication~~ system of claim 19, further

comprising:

an analyzer ~~for~~ configured to analyze at least one of statistical analysis of the

classification of the ~~behaviour~~ behavior patterns of users received from the classifier and

defining previously presented classes of ~~behaviour~~ behavior patterns.

Application No.: 10/018,502

23.   (Currently Amended) The ~~telecommunication~~ system of claim 19, further comprising:

a regulator ~~for regulating~~ configured to regulate the values of parameters essential for the quality of service of the telecommunication system on the basis of the information received from the analysis means.

24.   (Currently Amended) The ~~telecommunication of~~ system of claim 19, wherein said telecommunication system is a mobile communication system.

25.   (Cancelled)

Application No.: 10/018,502